



Unico Triepoxy

Let's shine

Three-component epoxy-cementitious primer
and coating for damp substrates

CHARACTERISTICS

UNICO TRIEPOXY is a three-component, low thickness, epoxy-cementitious coating formulated for damp cement substrates. **UNICO TRIEPOXY** can crosslink perfectly, forming a dry substrate suitable for subsequent treatment by products that are very sensitive to moisture during the fresh phase.

UNICO TRIEPOXY has excellent waterproofing capacity even in negative pressure, and can be painted over with different types of resin (epoxy, polyurethane, epoxy-polyurethane) at low, medium or high thicknesses. It can be used indoors and outdoors, can be applied vertically and guarantees rapid implementation. **UNICO TRIEPOXY** if filled with quartz sand, forms a synthetic mortar ideal for restorations and levelling to thickness without shrinkage, is thixotropic and easy to apply (by trowel).

Also recommended as:

- Primer for self-levelling cementitious coatings
- Waterproofing coating for walls and floors, to concrete tank flooring.
- Intermediate levelling on damp substrates before application of resin coatings.
- Levelling as a waterproof, anti-freeze layer.

UNICO TRIEPOXY has good chemical resistance to alkaline substances and diluted acids in general, however it is not recommended for use with strong solvents and acids which can cause damage.

Mechanical resistance

Resistance to bending at 28 days 27-30 kg/cm³ - ASTM D790 method

Resistance to compression strength at 28 days 150-160kg/cm³ - ASTM D695 method

Let's shine

è una linea:

FEDERCHEMICALS™ s.r.l.

Via G. Borsi, 2 - 25128 Brescia - Italy

Tel. +39 030 3385578 - Fax +39 030 3385580

www.federchemicals.it info@federchemicals.it

Unico Triepoxy



Components **A + B + C**

A 14 kg +

B 2,5 kg +

C 6,5 kg

HOW TO USE

PREPARATION OF THE SUPPORT: depending on the conditions of the substrate, preparation can be carried out by pre-sanding, shot blasting or milling. In any case, the surface must be clean, with no dust, oily substances, grease, flaking, paint or anything else that could interfere with the adhesion of the product.

PREPARATION OF THE PRODUCT: pour component B into component A (catalyst) and mix with a low speed drill until a homogenous mix of uniform colour is obtained. It is advisable to slowly introduce component C, mixing until a homogenous, lump free mixture is obtained.

PREPARATION FOR VAPOUR BARRIER APPLICATION

1. Mix the pre-dosed component C (6.5 kg) with clean water (1,700 l) and mix well;
2. Mix the pre-dosed components A (5,000 kg) + B (2,500 kg);
3. Combine and mix the two mixtures;
4. Silica sand 0.1-0.3 can now be added to the mixture at a maximum ratio of 3 kg for every 13.3 kg of **UNICO TRI-EPOXY**.

N.B.: for a new substrate, consider a minimum of one week after completion of the flooring.

- a) For mixing, a double-helix, low speed mixer is recommended.
- b) Adding water at point 1 is not mandatory, but it reduces the thixotropy of the mixture making it more fluid and therefore easier to apply.

APPLICATION: apply with a trowel in two coats: for the first coat, use approximately 2/3 of the mixture, and for the second coat, the remaining 1/3. Apply at ambient temperature not below 10°C.

CAUTION

Do not apply on wet surfaces with lying surface water and in the presence of blending. Do not apply directly on anhydride or gypsum-based substrates or existing cement or gypsum-based smoothing compounds. Do not apply on damaged areas that could move (the product is rigid and could crack).

WASHING OF TOOLS

Clean equipment with water immediately after use. When the product hardens, it can only be removed mechanically.

INDICATIVE COVERAGE

- 250-300 g/m² per coat, on non-absorbent surfaces.
- 400-500 g/m² per coat, on absorbent surfaces.
- 1,5 kg/m² per mm thickness as a vapour barrier.
- 1,5 kg/m² per mm thickness as levelling.

STORAGE

The product must be stored in the original containers, tightly sealed, protected from direct sunlight and frost and in ventilated areas. In these conditions the product has a duration of 12 months from the date of the delivery note. If the material will be kept in storage beyond the recommended stability period, it will not necessarily be considered unusable but a quality control must be performed on the characteristics relevant to the application.

LIMITS OF RESPONSIBILITY

We decline all responsibility for work and damage which might result from improper or incorrect use of the product. The indications supplied with our product specifications and instructions for use are the results of accurate laboratory tests and experience in the field. However, as it is not possible to forward other evidence, when the products are used, these indications shall not be binding and do not imply liability on our part. As well as following good working practices, before applying the product we recommend you read the safety recommendations and the directions on the package.

For the best professional results, it is advised to test a small area first, for compatibility with the surface to treat and the desired effect. This preliminary testing is also useful to determine the consumption according to the characteristics of the material the product will be used for and to the type of processing.

The reproduction, even partial of this product sheet is forbidden. The data refer to the standards in force at the time of printing, 2013. The company reserves the right to make any changes without notice.

PRODUCT FOR PROFESSIONAL USE

Let's shine

è una linea:

FEDERCHEMICALS™ s.r.l.

Via G. Borsi, 2 - 25128 Brescia - Italy

Tel. +39 030 3385578 - Fax +39 030 3385580

www.federchemicals.it info@federchemicals.it